CONTENTS

SECTION B—VOL. LXXVI

No. 1—July 1972

PAGE

Electron-Probe Microanalysis and Geothermometry of Sphalerite in the Ingaladhal Sulphide Lode, Chitradurga District, Mysore State . . . . . K. V. S. Acharyulu and C. Borreswara Rao 1

Alkaline and Acid Phosphatases in the Kidney of Frog, Lizard, Bird and Squirrel . . . . . S. V. S. Rana and V. P. Agrawal 11

Effect of Certain Physico-Chemical Factors on the Plankton of the Nangal Lake . . . . . K. K. Tandon and Harbans Singh 15

New or Rare *Hedyotis* Linn. (Rubiaceae) From South India . . . . . A. N. Henry and. K. Subramanyam 26

An Evaluation of Some Techniques for Isolation of Rhizosphere and Soil Mycoflora . . . . . K. Natarajan 31

No. 2—August 1972

Germination Regulating Mechanism in Arid-Zone Plants: High Temperature Stimulus and Germination of *Rhynchosia* Seeds . . . . . P. Mullick and U. N. Chatterji 39

Life-History of *Cycas circinalis* L. Part V. Seedling Anatomy . . . . . L. N. Rao 47

Feldspars from the Granitic Rocks of Chipurupalle-Razam Area, Srikakulam District, Andhra Pradesh . . . . . R. Dhana Raju and J. S. R. Krishna Rao 58

Foetal Membranes and Placentation in the Indian Leaf-Nosed Bat, *Hipposideros fulvus fulvus* (Gray) . . . . . (Miss) K. B. Karim 71

Studies on Cotton Stenosis—I. Auxin Metabolism of the Diseased Plant P. Narayanasamy, T. Jaganathan, K. Ranganathan and A. Palaniswami 79

No. 3—September 1972

PAGE

Observations on Comparative Propensities for Carp Fry Destruction by Adults and Last Instar Preimaginal Stages of Predatory Aquatic Insects . . . G. A. Shirgur and H. G. Kewalramani 85

Nodulation of Lucerne (*Medicago sativa L.*) Under the Influence of Chlorides of Magnesium and Potassium . . . . . C. S. Singh, M. Lakshmi-Kumari, Amita Biswas and N. S. Subba Rao 90

Thyroxine and Hypothalamic Neuro-Secretory System in Chick Embryos . . . . . Kamalaveni Chandrasekhar 97

Studies on the Inheritance of Leaf Blast Resistance in Rice . . . . . G. C. Rath and S. Y. Padmanabhan 106

Foliicolous Lichens from the Palni and Nilgiri Hills, India . . . . . Dharani Dhar Awasthi and Krishna Pal Singh 117

No. 4—October 1972

Palaeontology of the Bagh Beds. II. Echinoidea . . . . . G. W. Chiplonkar and R. M. Badve 133

Trace Element Studies of Amphibolites from the Precambrian Tanikalla Metamorphic Complex, East of Khammam, Andhra Pradesh . . . . . B. R. G. Reddy 153

Two New Species of Microsporidian Parasites from a Marine Fish *Saurida tumbil* . . . . . C. C. Narasimhamurti and C. Kalavati 165

Pharmacognostical Studies on *Swertia alata* . . . . . P. N. Natarajan and S. Prasad 171

No. 5—November 1972

PAGE

Studies in Cyperaceae. VIII. Novelties in *Fimbristylis* (L.) Vahl. . . . . E. Govindarajalu 181

Pyroxene-Garnet Granulite from Koppal, Raichur District, Mysore State . . . . . M. S. Sadashivaiah and S. M. Appanagoudar 194

Ecological Aspects Along the Shores of the Burabalanga Tidal Estuary, Balasore District, Orissa State . . . . . T. Ananda Rao and A. K. Mukherjee 201

Observations on *Curvularia lunata* var. *aeria* Encountered in Aviation Fuel AVCAT . . . . . A. A. Karande and J. D'Souza 207

Digestion of Carbohydrates and Proteins in the Alimentary Canal of *Cybister tripunctatus asiaticus* Sharp. and *Poecilocerus pictus* Fabr. . . . . G. Subba Rao 212

An Interspecific Hybrid Between Tea (*Camellia sinensis* L.) and *C. japonica* L. . . . . H. P. Bezbaruah and S. C. Gogoi 219

Colletotrichum dematium Infection on Leaves of *Peperomia tithymaloides* . . . . . Z. Maleki and B. N. Saxena 221

No. 6—December 1972

Effect of Copper Acetate and Asphalt on Gonadal Activities and the Correlated Changes in the Pre-Optic Nucleus of Two Genera of Teleostean Fishes, *Clarias batrachus* (Linn.) and *Ophiocephalus punctatus* (Bloch) . . . . D. Khosa and K. Chandrasekhar 229

Effect of Mammalian Estrogens and Progesterone on the Hypothalamo-Adenohypophysial Complex of Ovariectomised Cat-fish *Clarias batrachus* (Linn.) . . K. Chandrasekhar and D. Khosa 240

Amino Tripeptidase Activity in Three Teleost Fishes . . K. V. Sastry 251

Histochemical Recognition of Carbohydrate Protein Yolk Bodies in Invertebrate Oocytes . . . . . K. Shyamasundari 258

Anatomical Studies on Succulent Cladodes in *Casuarina equisetifolia* Linn. . . . . A. N. Rao 262